

Figure 14

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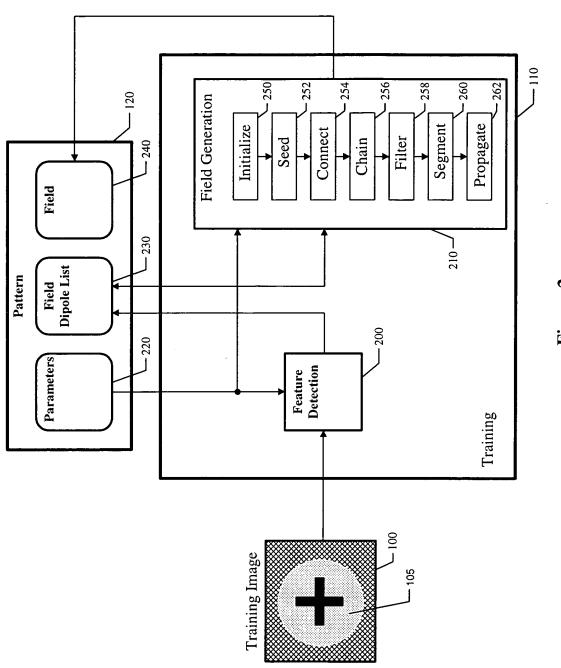


Figure 2

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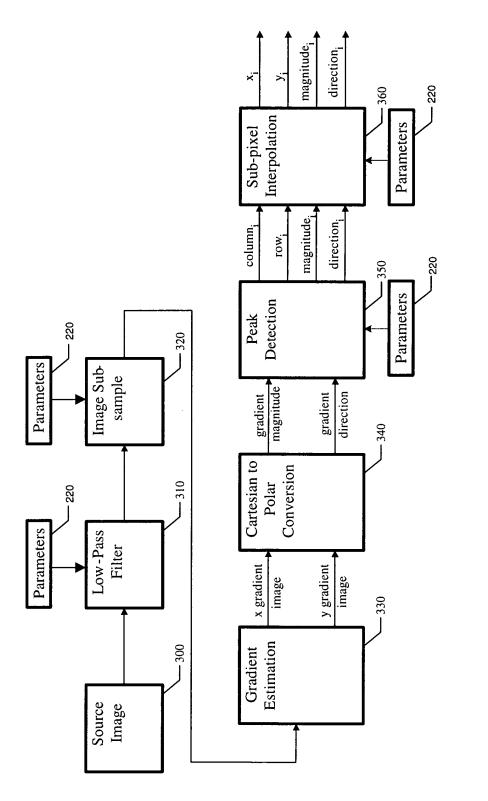


Figure 3

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Fast High-Accuracy MultiDimensional Pattern Inspection
Silver

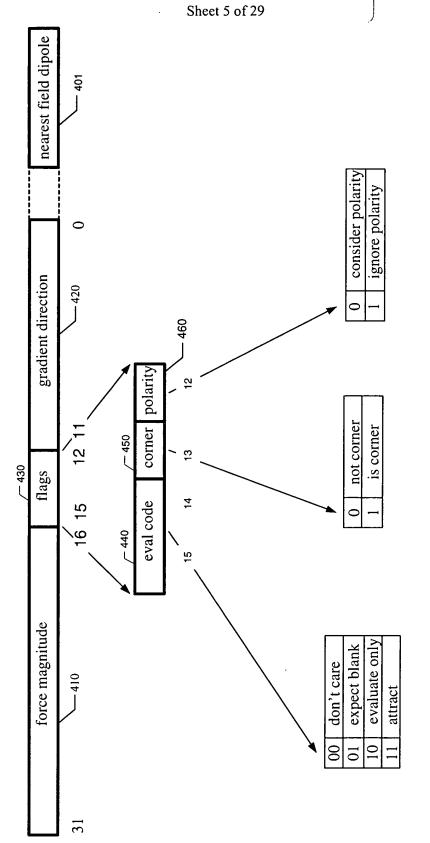
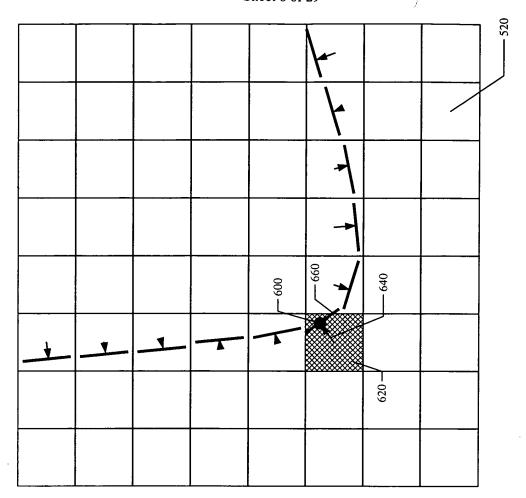


Figure 4

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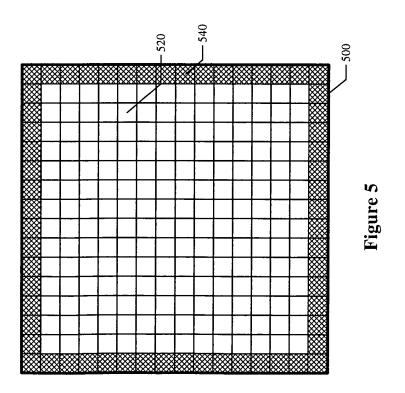


Figure 6

7 Figure 7c - 762 Figure 7b - 764 746 - 720 Figure 7a 620 -7007 715-

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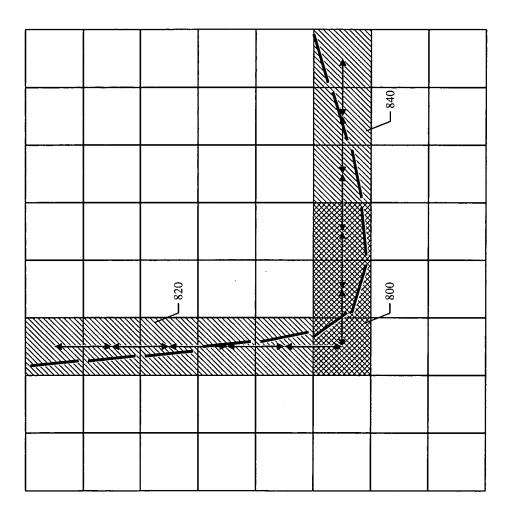
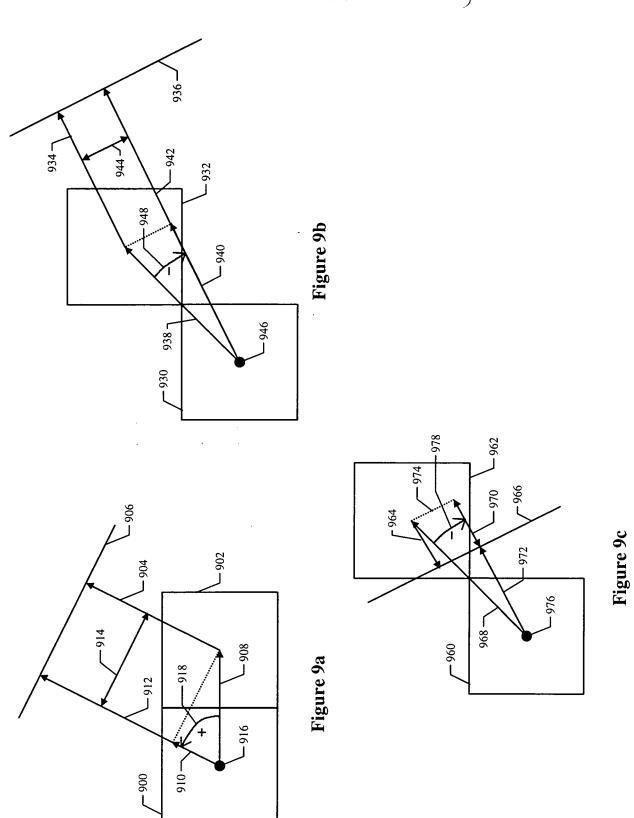


Figure 8

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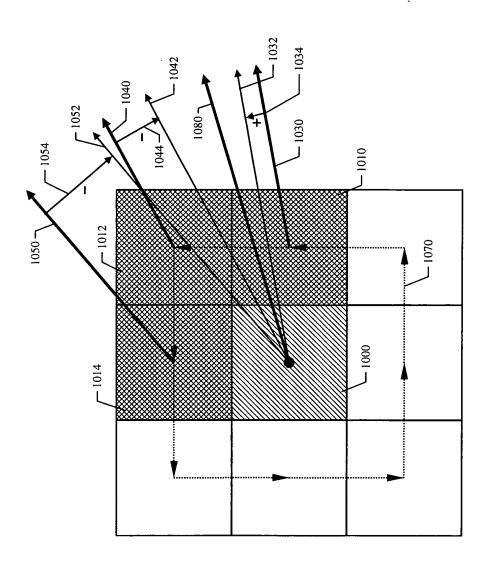


Figure 10

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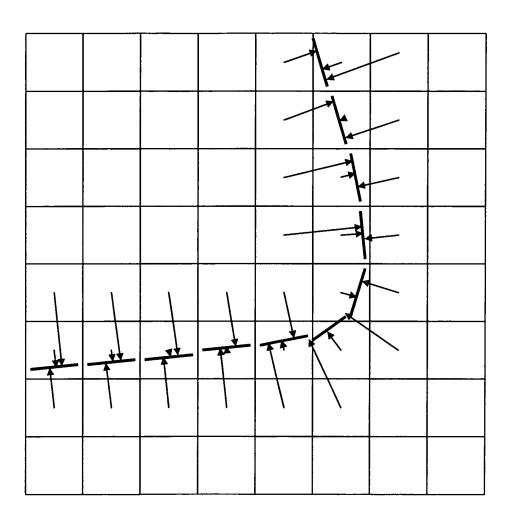


Figure 11

Figure 12

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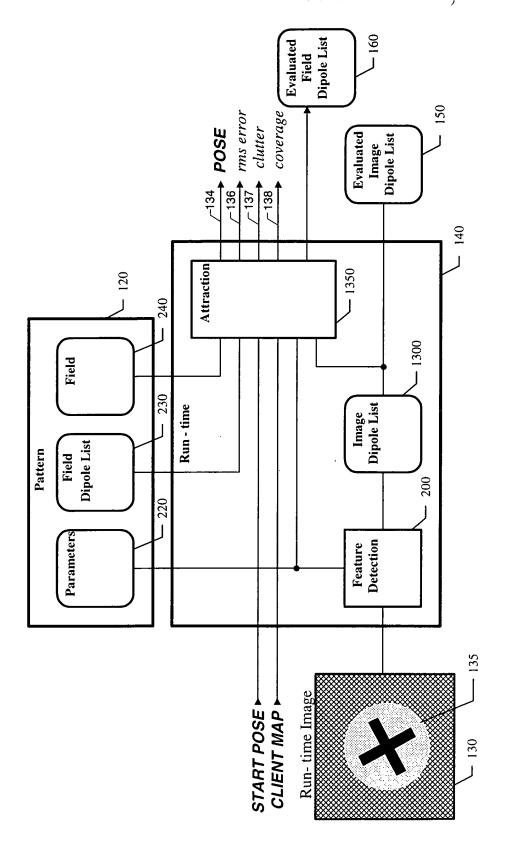
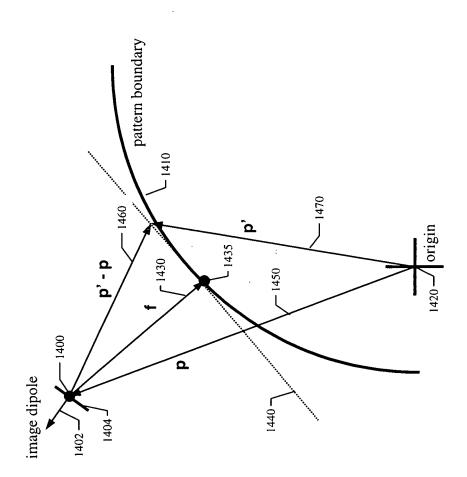


Figure 13

Figure 14



10/705,563 Fast High-Accuracy Multi-Dimensional Pattern Inspection Silver Sheet 15 of 29 POSE evaluated field dipoles -1540MOTION rms error Solve SMMS coverage - 1535 pos(force) SUMS Sum force weight force
weight
flags clutter
dir(field) eval mag -1530pos(force) rms error pos (field) Rotate Evaluate - 1550 force 1545 – Field Dipole Evaluation Normal Tensor -1510CLIENT MAP 1525 force flags index POSE pos(field) Field - 1505 POSE NEW POSE MOTION Compose pos (image)
pos (field) dir(image)
dir (field) POSE - 1520 Map - 1500 index force dir (image) mag pos(image) field dipoles ▶ parameters ▶ POSE flags eval CLIENT MAP Dipole START V POSE clutter 1515

field 🔽

image

dipole✓

Figure 15

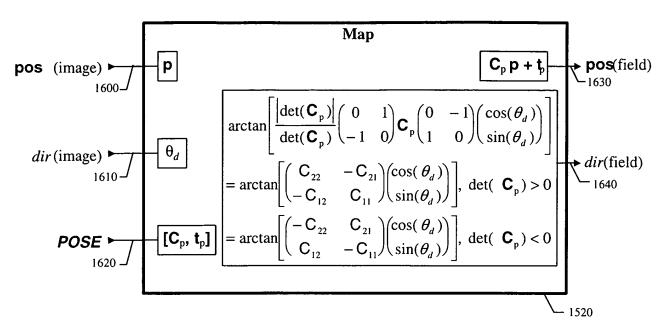


Figure 16

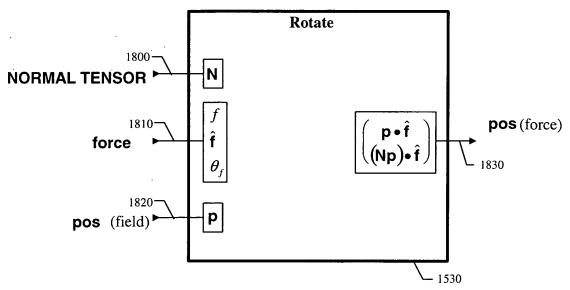


Figure 18

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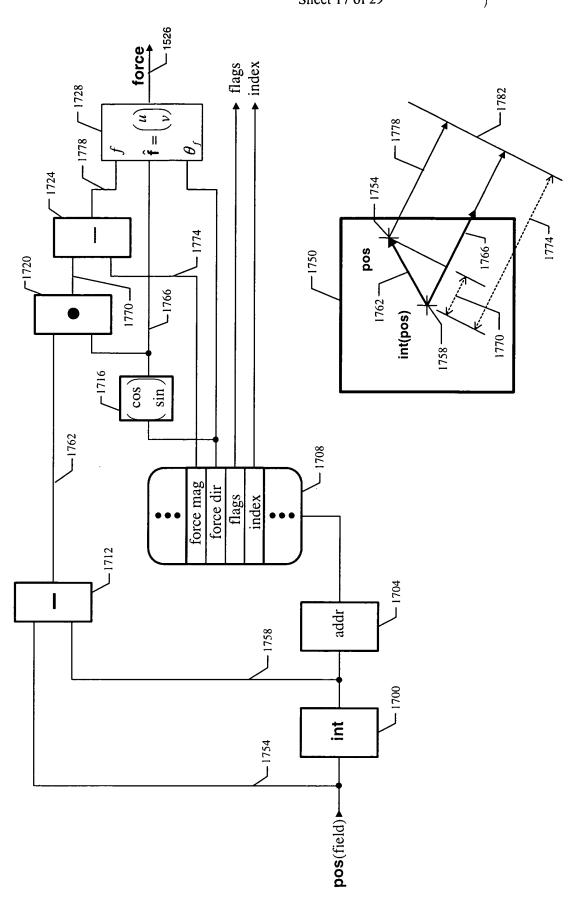


Figure 17

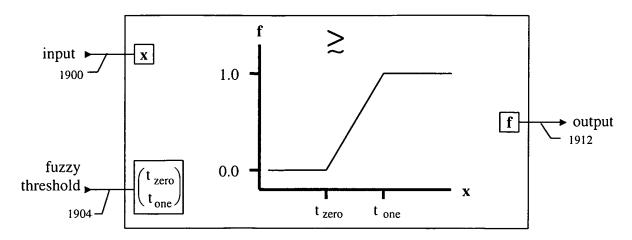


Figure 19a

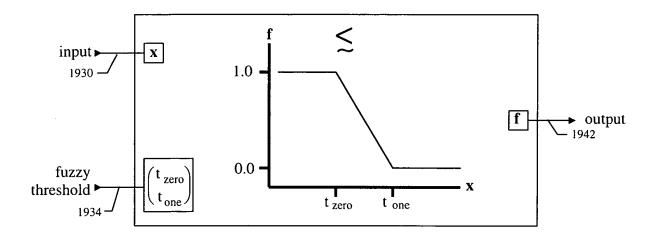


Figure 19b

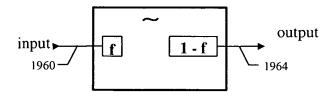


Figure 19c

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Silver

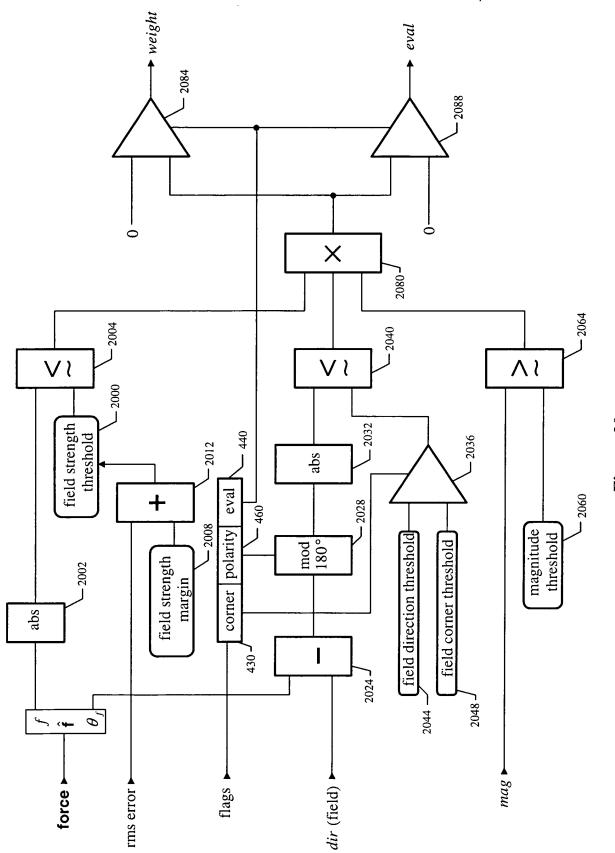


Figure 20a

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Fast High-Accuracy MultiDimensional Pattern Inspection
Silver
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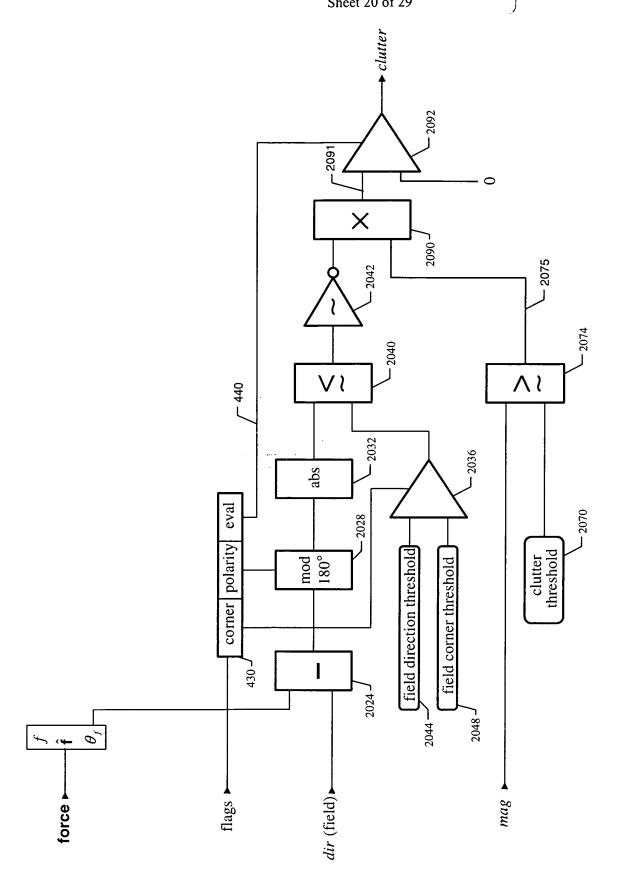


Figure 20b

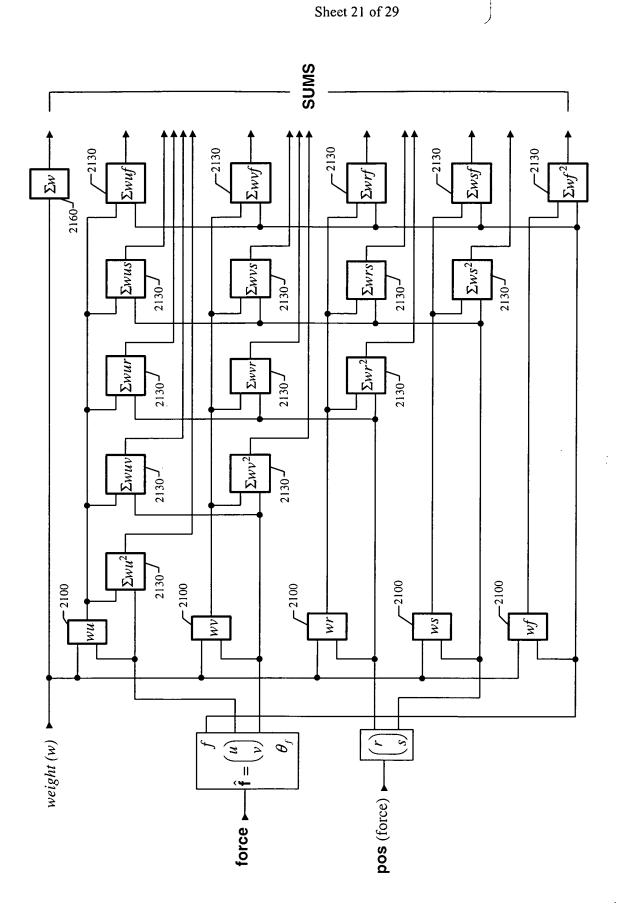


Figure 21

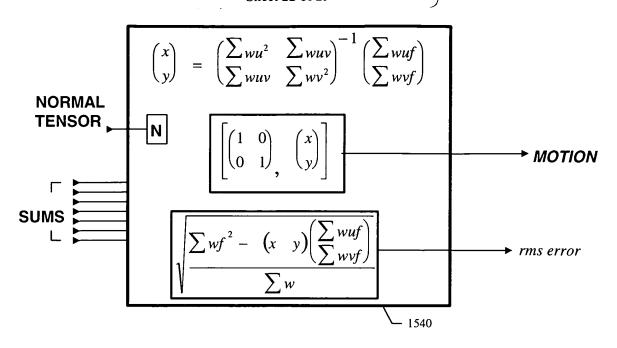


Figure 22a

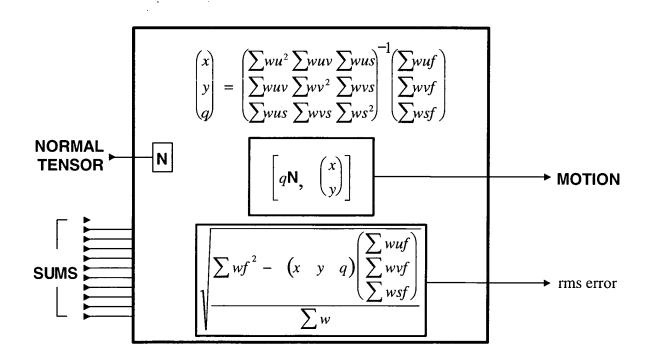


Figure 22b

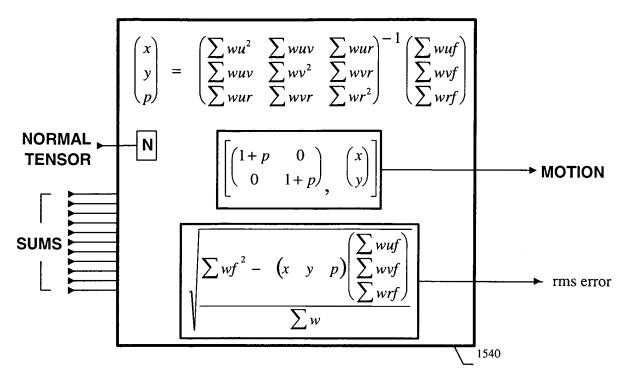


Figure 22c

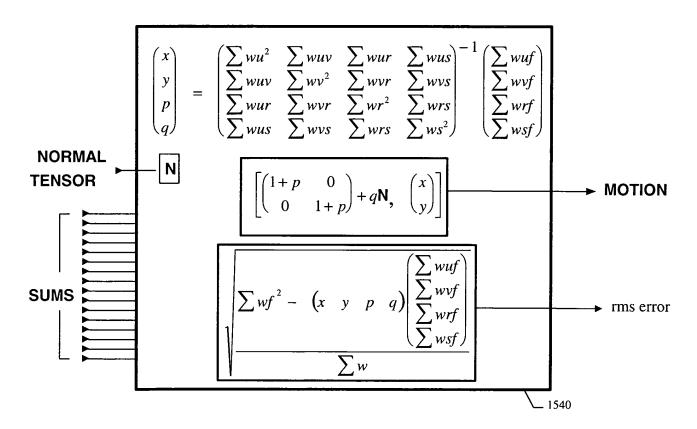


Figure 22d

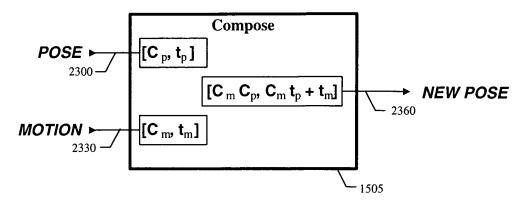


Figure 23

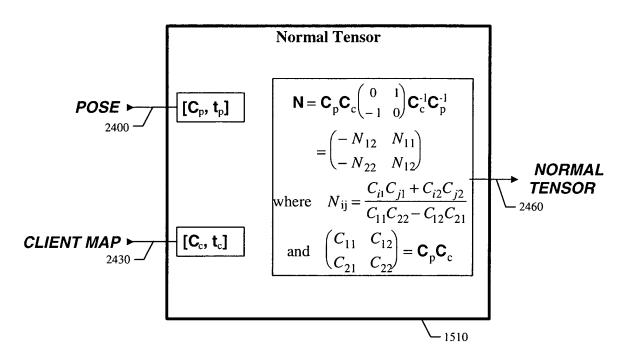


Figure 24

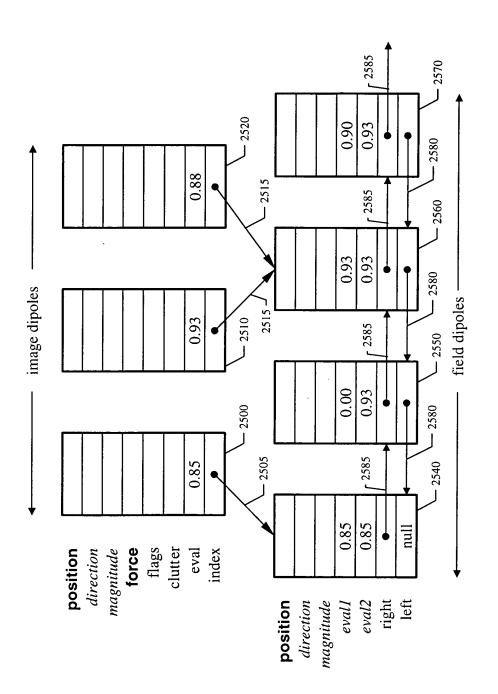


Figure 25

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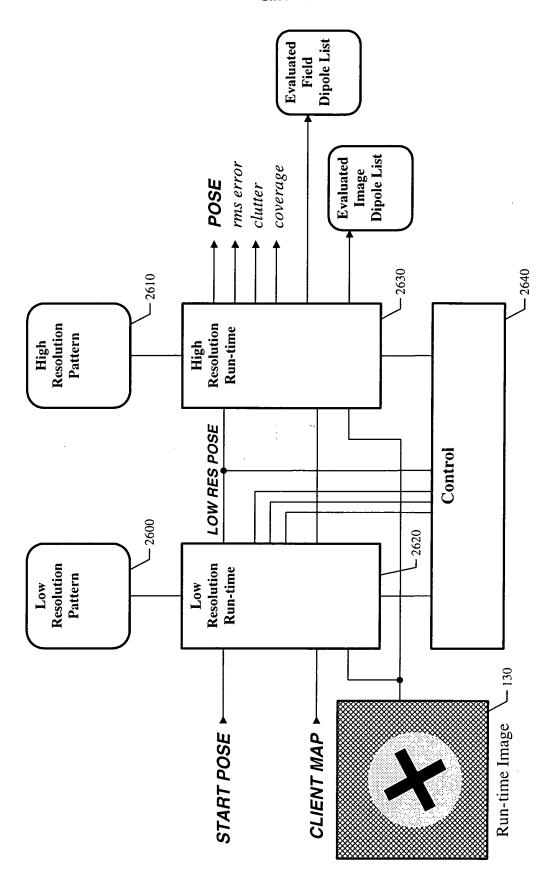


Figure 26

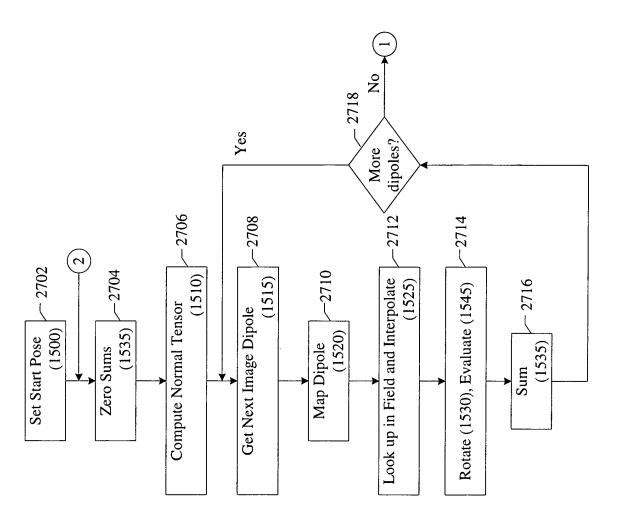


Figure 27a

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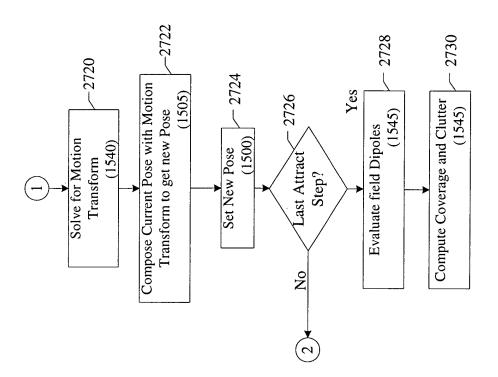


Figure 27b

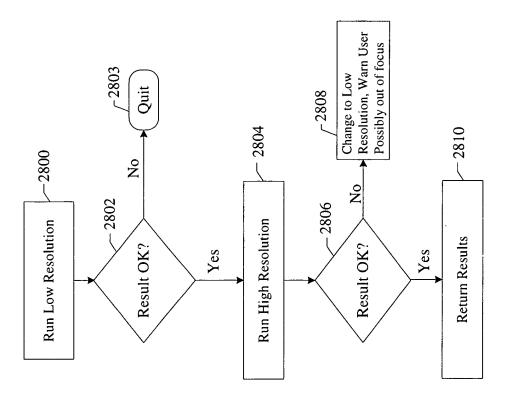


Figure 28